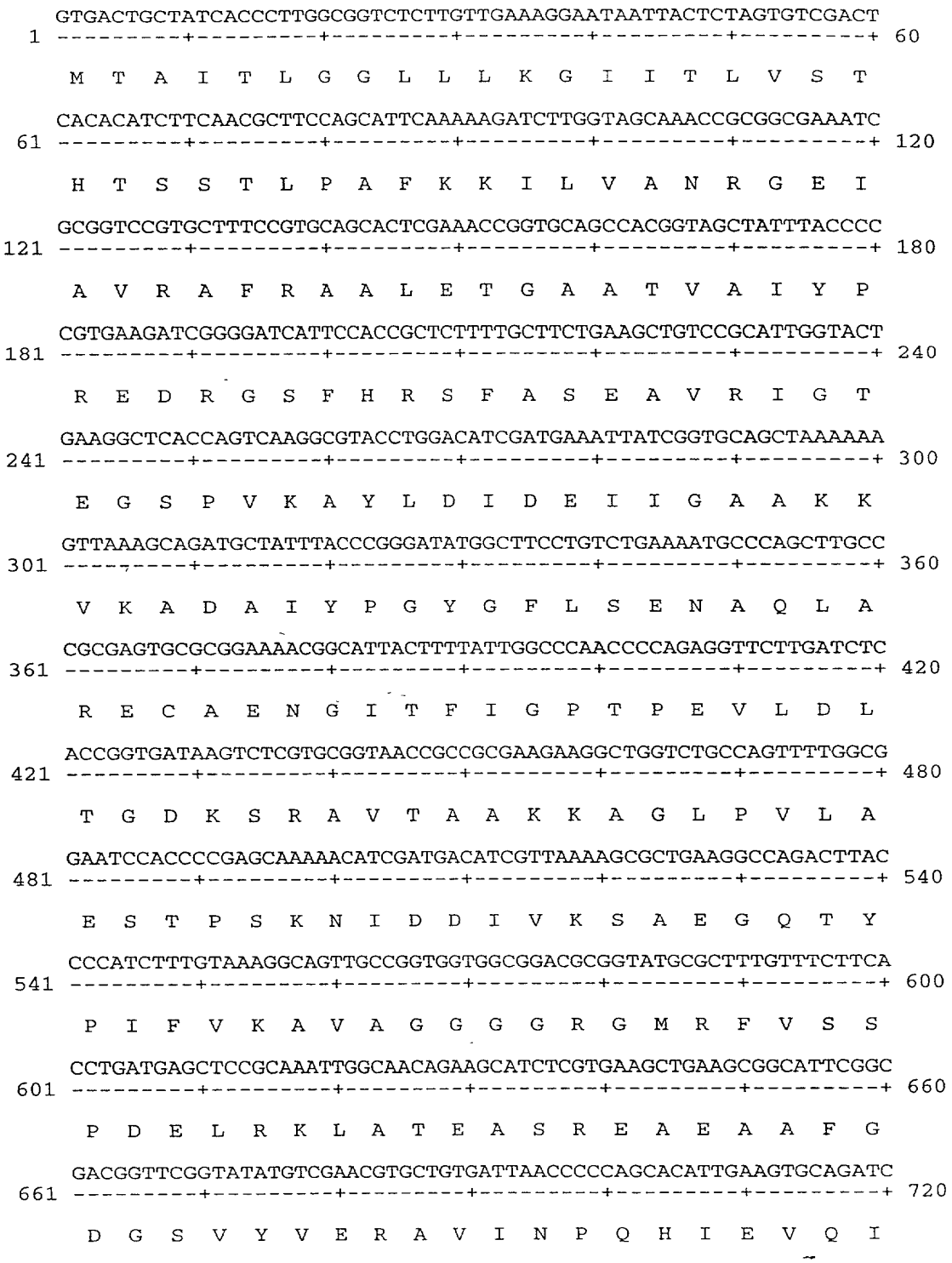
GTGACTGCTATCACCCTTGGCGGTCTCTTGTTGAAAGGAATAATTACTCTAGTGTCGACT
1 60
M T A I T L G G L L L K G I I T L V S T
CACACATCTTCAACGCTTCCAGCATTCAAAAAGATCTTGGTAGCAAACCGCGGCGAAATC
61 120
H T S S T L P A F K K I L V A N R G E I
GCGGTCCGTGCTTTCCGTGCAGCACTCGAAACCGGTGCAGCCACGGTAGCTATTTACCCC
121 180
A V R A F R A A L E T G A A T V A I Y P
CGTGAAGATCGGGGATCATTCCACCGCTCTTTTGCTTCTGAAGCTGTCCGCATTGGTACT
181 240
R E D R G S F H R S F A S E A V R I G T
GAAGGCTCACCAGTCAAGGCGTACCTGGACATCGATGAAATTATCGGTGCAGCTAAAAAA
241 300
E G S P V K A Y L D I D E I I G A A K K
GTTAAAGCAGATGCTATTTACCCGGGATATGGCTTCCTGTCTGAAAATGCCCAGCTTGCC
301 360
V K A D A I Y P G Y G F L S E N A Q L A
CGCGAGTGCGCGGAAAACGGCATTACTTTTATTGGCCCAACCCCAGAGGTTCTTGATCTC
361 420
R E C A E N G I T F I G P T P E V L D L
ACCGGTGATAAGTCTCGTGCGGTAACCGCCGCGAAGAAGGCTGGTCTGCCAGTTTTGGCG
421 480
T G D K S R A V T A A K K A G L P V L A
GAATCCACCCCGAGCAAAAACATCGATGACATCGTTAAAAGCGCTGAAGGCCAGACTTAC
481 540
E S T P S K N I D D I V K S A E G Q T Y
CCCATCTTTGTAAAGGCAGTTGCCGGTGGTGGCGGACGCGGTATGCGCTTTGTTTCTTCA
541 600
P I F V K A V A G G G G R G M R F V S S
CCTGATGAGCTCCGCAAATTGGCAACAGAAGCATCTCGTGAAGCTGAAGCGGCATTCGGC
601 660
P D E L R K L A T E A S R E A E A A F G
GACGGTTCGGTATATGTCGAACGTGCTGTGATTAACCCCCAGCACATTGAAGTGCAGATC
661 720
D G S V Y V E R A V I N P Q H I E V Q I

FIG. 1A

```
     CTTGGCGATCGCACTGGAGAAGTTGTACACCTTTATGAACGTGACTGCTCACTGCAGCGT
 721 ---------+---------+---------+---------+---------+---------+ 780

      L  G  D  R  T  G  E  V  V  H  L  Y  E  R  D  C  S  L  Q  R

     CGTCACCAAAAAGTTGTCGAAATTGCGCCAGCACAGCATTTGGATCCAGAACTGCGTGAT
 781 ---------+---------+---------+---------+---------+---------+ 840

      R  H  Q  K  V  V  E  I  A  P  A  Q  H  L  D  P  E  L  R  D

     CGCATTTGTGCGGATGCAGTAAAGTTCTGCCGCTCCATTGGTTACCAGGGCGCGGGAACC
 841 ---------+---------+---------+---------+---------+---------+ 900

      R  I  C  A  D  A  V  K  F  C  R  S  I  G  Y  Q  G  A  G  T

     GTGGAATTCTTGGTCGATGAAAAGGGCAACCACGTTTTCATCGAAATGAACCCACGTATC
 901 ---------+---------+---------+---------+---------+---------+ 960

      V  E  F  L  V  D  E  K  G  N  H  V  F  I  E  M  N  P  R  I

     CAGGTTGAGCACACCGTGACTGAAGAAGTCACCGAGGTGGACCTGGTGAAGGCGCAGATG
 961 ---------+---------+---------+---------+---------+---------+ 1020

      Q  V  E  H  T  V  T  E  E  V  T  E  V  D  L  V  K  A  Q  M

     CGCTTGGCTGCTGGTGCAACCTTGAAGGAATTGGGTCTGACCCAAGATAAGATCAAGACC
1021 ---------+---------+---------+---------+---------+---------+ 1080

      R  L  A  A  G  A  T  L  K  E  L  G  L  T  Q  D  K  I  K  T

     CACGGTGCAGCACTGCAGTGCCGCATCACCACGGAAGATCCAAACAACGGCTTCCGCCCA
1081 ---------+---------+---------+---------+---------+---------+ 1140

      H  G  A  A  L  Q  C  R  I  T  T  E  D  P  N  N  G  F  R  P

     GATACCGGAACTATCACCGCGTACCGCTCACCAGGCGGAGCTGGCGTTCGTCTTGACGGT
1141 ---------+---------+---------+---------+---------+---------+ 1200

      D  T  G  T  I  T  A  Y  R  S  P  G  G  A  G  V  R  L  D  G

     GCAGCTCAGCTCGGTGGCGAAATCACCGCACACTTTGACTCCATGCTGGTGAAAATGACC
1201 ---------+---------+---------+---------+---------+---------+ 1260

      A  A  Q  L  G  G  E  I  T  A  H  F  D  S  M  L  V  K  M  T

     TGCCGTGGTTCCGACTTTGAAACTGCTGTTGCTCGTGCACAGCGCGCGTTGGCTGAGTTC
1261 ---------+---------+---------+---------+---------+---------+ 1320

      C  R  G  S  D  F  E  T  A  V  A  R  A  Q  R  A  L  A  E  F

     ACCGTGTCTGGTGTTGCAACCAACATTGGTTTCTTGCGTGCGTTGCTGCGGGAAGAGGAC
1321 ---------+---------+---------+---------+---------+---------+ 1380

      T  V  S  G  V  A  T  N  I  G  F  L  R  A  L  L  R  E  E  D

     TTCACTTCCAAGCGCATCGCCACCGGATTTATCGGCGATCACCCACACCTCCTTCAGGCT
1381 ---------+---------+---------+---------+---------+---------+ 1440

      F  T  S  K  R  I  A  T  G  F  I  G  D  H  P  H  L  L  Q  A
```

FIG. 1B

```
     CCACCTGCGGATGATGAGCAGGGACGCATCCTGGATTACTTGGCAGATGTCACCGTGAAC
1441 ---------+---------+---------+---------+---------+---------+ 1500
      P  P  A  D  D  E  Q  G  R  I  L  D  Y  L  A  D  V  T  V  N

     AAGCCTCATGGTGTGCGTCCAAAGGATGTTGCAGCACCAATCGATAAGCTGCCCAACATC
1501 ---------+---------+---------+---------+---------+---------+ 1560
      K  P  H  G  V  R  P  K  D  V  A  A  P  I  D  K  L  P  N  I

     AAGGATCTGCCACTGCCACGCGGTTCCCGTGACCGCCTGAAGCAGCTTGGCCCAGCCGCG
1561 ---------+---------+---------+---------+---------+---------+ 1620
      K  D  L  P  L  P  R  G  S  R  D  R  L  K  Q  L  G  P  A  A

     TTTGCTCGTGATCTCCGTGAGCAGGACGCACTGGCAGTTACTGATACCACCTTCCGCGAT
1621 ---------+---------+---------+---------+---------+---------+ 1680
      F  A  R  D  L  R  E  Q  D  A  L  A  V  T  D  T  T  F  R  D

     GCACACCAGTCTTTGCTTGCGACCCGAGTCCGCTCATTCGCACTGAAGCCTGCGGCAGAG
1681 ---------+---------+---------+---------+---------+---------+ 1740
      A  H  Q  S  L  L  A  T  R  V  R  S  F  A  L  K  P  A  A  E

     GCCGTCGCAAAGCTGACTCCTGAGCTTTTGTCCGTGGAGGCCTGGGGCGGCGCGACCTAC
1741 ---------+---------+---------+---------+---------+---------+ 1800
      A  V  A  K  L  T  P  E  L  L  S  V  E  A  W  G  G  A  T  Y

     GATGTGGCGATGCGTTTCCTCTTTGAGGATCCGTGGGACAGGCTCGACGAGCTGCGCGAG
1801 ---------+---------+---------+---------+---------+---------+ 1860
      D  V  A  M  R  F  L  F  E  D  P  W  D  R  L  D  E  L  R  E

     GCGATGCCGAATGTAAACATTCAGATGCTGCTTCGCGGCCGCAACACCGTGGGATACACC
1861 ---------+---------+---------+---------+---------+---------+ 1920
      A  M  P  N  V  N  I  Q  M  L  L  R  G  R  N  T  V  G  Y  T

     CCGTACCCAGACTCCGTCTGCCGCGCGTTTGTTAAGGAAGCTGCCAGCTCCGGCGTGGAC
1921 ---------+---------+---------+---------+---------+---------+ 1980
      P  Y  P  D  S  V  C  R  A  F  V  K  E  A  A  S  S  G  V  D

     ATCTTCCGCATCTTCGACGCGCTTAACGACGTCTCCCAGATGCGTCCAGCAATCGACGCA
1981 ---------+---------+---------+---------+---------+---------+ 2040
      I  F  R  I  F  D  A  L  N  D  V  S  Q  M  R  P  A  I  D  A

     GTCCTGGAGACCAACACCGCGGTAGCCGAGGTGGCTATGGCTTATTCTGGTGATCTCTCT
2041 ---------+---------+---------+---------+---------+---------+ 2100
      V  L  E  T  N  T  A  V  A  E  V  A  M  A  Y  S  G  D  L  S

     GATCCAAATGAAAAGCTCTACACCCTGGATTACTACCTAAAGATGGCAGAGGAGATCGTC
2101 ---------+---------+---------+---------+---------+---------+ 2160
      D  P  N  E  K  L  Y  T  L  D  Y  Y  L  K  M  A  E  E  I  V

     AAGTCTGGCGCTCACATTCTGGCCATTAAGGATATGGCTGGTCTGCTTCGCCCAGCTGCG
2161 ---------+---------+---------+---------+---------+---------+ 2220
      K  S  G  A  H  I  L  A  I  K  D  M  A  G  L  L  R  P  A  A
```

FIG. 1C